



ELECTROZ

Create. Enhance. and Sustain.

DEPARTMENT NEWS LETTER (2017-2018)

(Volume 1)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY



Message from Head of Department

Greetings from the Department of EEE, ALIET! It gives me immense pride and pleasure to lead the Department of EEE of this esteemed institution. The field of Electrical and Electronic Engineering encompasses many technologies such as power systems, electrical machines, control systems, electromagnetic theory, and computer methods employed in all these areas, which have been among the fastest growing and most challenging technologies that enable the development of the modern world.

ELECTROZ aims to inform you the research activities, new initiatives, and achievements of faculty & students of the department. The students of the department get opportunities to excel in their academic area. As the future of the technocrats holds many challenges, the department strives to transform the students into intellectuals by going beyond academics.

We welcome you to connect with us with your expertise and encourage us to excel in our endeavour. I hope you will join us in celebrating our journey towards excellence.

Y. C. Ashok Kumar

(HOD of EEE)



Vision and Mission

Institute Vision:

In accordance with the Jesuit vision of higher education, ALIET imparts technical education in the realm of higher education with integral formation which involves academic excellence, spiritual growth, social commitment and value based leadership.

Institute Mission:

The mission of Jesuit education at ALIET is to form “men and women for others” and mould them as global citizens with competence, conscience and compassionate commitment. Special concern is shown towards socially and economically marginalized students.

Department Vision:

To mould the students as efficient Electrical & Electronics Engineers by providing quality education with skills and character to serve the society.

Department Mission:

M1- To provide high quality teaching and services that render the students a supportive environment.

M2- Making the effort to mould the students to be the problem solvers and to be able to apply engineering principles to electrical systems.

ABOUT THE DEPARTMENT:

The Department of EEE has been offering a full time four year B.Tech Degree course since the inception of the institution. The department is provided with all required infrastructural facilities like well-equipped laboratories, well qualified & dedicated faculty and technically sound supporting staff. It is continuously striving to impart quality education and competitive spirit among students for academic excellence. Many of our students' have been published papers in various national & international technical symposiums. The Department offers placements in various MNCs and Core companies.

Program Educational Objectives:

Program educational objectives are broad statements that describe the career and professional accomplishments that the **program** is preparing graduates to achieve.

Program Educational Objective - I

Graduates shall have a solid foundation in Mathematics, Science, Electrical, Electronics and allied engineering applications, capable of analyzing, design and development of systems for Energy Generation, Transmission, Distribution, Operation and Control.

Program Educational Objective - II

To develop engineers with broad perspective and orientation to work for the electrical equipment manufacturing industries in the fields of electrical machines, drives and controls.

Program Educational Objective - III

To train the students with strong background in electrical engineering sciences for research and higher education & to increase the capabilities of students to face competitive exams.

Program Educational Objective - IV

To develop engineers with broad perspective and orientation to work in the area of Non-conventional energy resources with social and environmental concern.

Program Specific Objectives:

PSO1: To understand growing and increasing demands of electrical related technology and design appropriate cost effective solutions through hardware and simulation.

PSO2: To cater to new challenges in generation and utilization of renewable energy systems for a green tomorrow.



**Academic year 2017-2018
(ODD SEM)**

Regular class work has been started from 12th June 2017 to all the II & III B.Tech students and for IV B.Tech students on 19th June 2017 with lot of enthusiasm among the students. Special care has been taken in this academic year with perfect planning by the faculty for obtaining maximum results and also to contribute for the all-round development of the students.

Teaching Faculty Members:

- **Mr. Y. C. Ashok Kumar, HOD**
- Dr. G. Naveen Kumar, Professor
- Mrs. V. Anantha Lakshmi, Assistant Professor
- Mr. G. Gantaiah Swamy, Assistant Professor
- Mr. L. Karunakar, Assistant Professor
- Mr. T. Krishna Mohan, Assistant Professor
- Mr. A. S. Sai Sunil, Assistant Professor
- Mr. K. Rajesh Babu, Assistant Professor
- Ms. V. Vaishnavi, Assistant Professor
- Mr. G. Venkatesh, Assistant Professor
- Mr. M. Rama Krishna, Assistant Professor
- Mr. D. Uday Kiran, Assistant Professor

Non-Teaching Faculty:

- S. Shekar Babu
- S. Siva
- K. Venu Babu

Faculty Development Program

SMART GRID TECHNOLOGIES

(8th – 10th June 2017)

Objectives of the FDP:

Electric power systems worldwide face radical transformation with the need to decarbonize electricity supply, replace ageing assets, and harness new information and communication technologies (ICT). The Smart Grid uses advanced ICT to control next generation power systems reliably and efficiently. This authoritative guide demonstrates the importance of the Smart Grid and shows how ICT will extend beyond transmission voltages to distribution networks and customer-level operation through Smart Meters and Smart Homes. Smart grid technologies can be defined as self-sufficient systems that can find solutions to problems quickly in an available system that reduces the workforce and targets sustainable, reliable, safe and quality electricity to all consumers.

Topics Covered

1. De-Regulation
2. Automated Metering Infrastructure
3. Smart Substations
4. Distribution Automation, Renewable Integration,
5. Energy Storage Technologies
6. Regulation and Policy Initiatives
7. Tariff Design
8. Enterprise IT Systems
9. Digital Architectures and Cyber Security for Smart Grids

Learning Outcomes

1. Application of E-CAD tools for Industrial Automation.
2. Hands on Experience.

Faculty Development Program

INDUSTRIAL IOT USING NI GRAPHICAL SYSTEM DESIGN

PLATFORM

(13th – 15th July 2017)

Objectives of the FDP:

The aim of this programme is to introduce the participants to the amazing world of IoT and its fascinating applications. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier (IoT) with immense engineering applications is the need for today's industry and academia. This FDP serves as a platform to train and educate the research scholars, faculty, and people from industry to interact on cutting-edge technologies in this emerging area.

Major Course Content:

- Introduction to IoT, Current products, Open source electronics for IoT, IoT languages and its tools.
- Introduction to Industrial IoT, Graphical System
- Design Platform for Industrial IoT, LabVIEW based Web Services.
- Hands on session on Graphical System Design Platform (NI LabVIEW), Real-time Data Handling using LabVIEW.
- Configuring and Programming of RIO hardware, IoT with RIO Platform, Hands on session on Remote Monitoring and Control/Industrial Automation, Wireless Sensor Networks (WSN) and Zigbee (IEEE 802.15.4)

Learning Outcomes

- Real-time Data Handling using LabVIEW
- Hands on Experience on Remote Monitoring and Control/Industrial Automation, Wireless Sensor Networks (WSN) and Zigbee (IEEE 802.15.4)

NEWS CLIPPINGS

ఇంజనీరింగ్ విద్యలో మార్పులను గమనించాలి



మాట్లాడుతున్న ప్రొఫెసర్ పద్మనాభరాజు

గుణదల (రామవరప్రాడు) : ఇంజనీరింగ్ విద్యలో వస్తున్న నూతన మార్పులను ఎప్పటికప్పుడు గమనిస్తూ విద్యార్థులకు సరళీకృతంగా విద్యాబోధన చేయాలని ప్రొఫెసర్ పద్మనాభరాజు అధ్యాపకులకు సూచించారు.

ఆంధ్రా లయోలా ఇంజనీరింగ్ కళాశాలలో 'స్టార్ట్ గ్రిడ్ టెక్నాలజీస్' అనే అంశంపై అధ్యాపకులకు అవగాహన కార్యక్రమాన్ని గురువారం నిర్వహించారు. పద్మనాభరాజు మాట్లాడుతూ విద్యార్థులు ఉన్నత ఉద్యోగాలు పొందడానికి ప్రధాన భూమిక అధ్యాపకులే పోషించాలన్నారు. పాఠ్యాంశాలతో పాటు అంతర్గత నైపుణ్యాలు, పరిశోధనలపై విద్యార్థులకు తర్ఫీదు నిచ్చి పరిపూర్ణులుగా మార్చగలగాలన్నారు. కార్పొరేట్ సంస్థలకు కావాల్సిన విధంగా విద్యార్థులను మలిచినప్పుడే ఉన్నత ఉద్యోగాలు విద్యార్థులను వెతుక్కుంటూ వస్తాయన్నారు. అనంతరం స్టార్ట్ గ్రిడ్

టెక్నాలజీస్ను ఎలాఅమలు పరచాలి, సాధ్యా అసాధ్యాలపై అవగాహన కలిగించారు. కళాశాల డైరెక్టర్ ఫాదర్ ఫ్రాన్సిస్ మాట్లాడుతూ పాఠ్యాంశాలతో పాటు అన్నీ అంశాల్లో విద్యార్థులకు శిక్షణ ఇస్తున్నట్లు తెలిపారు. సెమినార్లు, పేపర్ ప్రజెంటేషన్ వంటి కార్యక్రమాలను నిర్వహించి విద్యార్థుల అంతర్గత నైపుణ్యాలను పెంపొందిస్తున్నట్లు తెలిపారు. కళాశాల ప్రీన్సిపాల్ మహేష్, విభాగాధిపతులు అశోక్కుమార్, కార్యక్రమ నిర్వాహకులు కృష్ణప్రసాద్, ఉదయ్కుమార్లు పాల్గొన్నారు.



సరళీకృత బోధన అవసరం

భారతీనగర్ (కరెన్సీనగర్), న్యూసెంటుడె: ఇంజనీరింగ్ విద్యలో వస్తున్న ఆధునిక మార్పుల కనుగుణంగా విద్యార్థులకు సరళీకృతంగా బోధించాలని పీవీపీ ఇంజనీరింగ్ కళాశాల ఆచార్యులు సీహెచ్ పద్మనాభరాజు అన్నారు. ఆంధ్రా లయోలా ఇంజనీరింగ్ కళాశాలలో 'స్టార్ట్ గ్రిడ్ టెక్నాలజీస్' అంశంపై అధ్యాపకులకు అవగాహన సదస్సును నిర్వహించారు. కళాశాల డైరెక్టర్ ఫాదర్ ఫ్రాన్సిస్ జెవియర్, ప్రీన్సిపాల్ బి.మహేష్, విభాగాధిపతులు వై.సి.అశోక్కుమార్ పాల్గొన్నారు.



మాట్లాడుతున్న పద్మనాభరాజు

❖ లయోలా ఇంజనీరింగ్ కళాశాల ఐటీ, సీఎస్ఈ విభాగాల ఆధ్వర్యంలో 'బోధనా సిబ్బందికి తరగతులు' కార్యక్రమం గురువారం జరిగింది. వీఆర్ సిద్ధార్థ కళాశాల ఆచార్యులు సీహెచ్ రూప రిసోర్సుపర్సన్ గా వ్యవహరించారు. నూతన సాంకేతికతను విద్యార్థులకు పరిచయం చేసే విధానంలో అధ్యాపకులు నూతన పద్ధతులు అవలంబించాలని నిపుణులు సూచించారు.

సాంకేతిక పరిజ్ఞానంపై పట్టు సాధించాలి



గుణదల (రామవరప్రాడు) : భవిష్యత్ అవసరాలకు అనుగుణంగా అధ్యాపకులు తమకు తాము మలుచుకోవాలని వీఆర్ సిద్ధార్థ ఇంజనీరింగ్ కళాశాల ట్రీపుల్ ఈ విభాగాధిపతి పీవీఆర్ ఎల్ నరసింహం అన్నారు. ఆంధ్ర లయోలా ఇంజనీరింగ్ కళాశాలలో శుక్రవారం అధ్యాపకులకు బోధనా పద్ధతులపై అవగాహన సదస్సును నిర్వహించారు. నరసింహం మాట్లాడుతూ నూతన సాంకేతిక పరిజ్ఞానంపై కూడా అధ్యాపకులు పట్టు సాధించినట్లయితే విద్యార్థులకు సాంకేతికతను అందించినవారవుతారన్నారు. కళాశాల డైరెక్టర్ ఫాదర్ ఫ్రాన్సిస్ మాట్లాడుతూ ముందుగా అధ్యాపకులు అన్నీ అంశాల్లో పరిపూర్ణత సాధిస్తేనే విద్యార్థులు కూడా పరిపూర్ణులుగా తయారవ్వగలరన్నారు. ప్రీన్సిపాల్ మహేష్, విభాగాధిపతులు అశోక్కుమార్, నిర్వహకులు కృష్ణమోహన్, ఉదయ్ కిరణ్ పాల్గొన్నారు.

Sakshi - 14-7-17

సాంకేతిక పరిజ్ఞానాన్ని అందిస్తున్నామని

గుణదల (రామవర
ప్పాడు): నానాటికీ
అభివృద్ధి చెందుతున్న
సాంకేతిక పరిజ్ఞానం
పై విద్యార్థులతో పా
టు అధ్యాపకులు కూ
డా అవగాహన కలిగి



ఉండాలని ఎఫ్ట్రాని మాట్లాడుతున్న దాసరి అన్వేష్
క్స్ ఎగ్జిక్యూటివ్ డైరెక్టర్ దాసరి అన్వేష్ అన్నారు. ఆంధ్రా లయోలా
ఇంజనీరింగ్ కళాశాలలో గురువారం ఇండస్ట్రీయల్ ఐడీ ఆన్ ఎన్ఐ
గ్రాఫికల్ సిస్టం డిజైన్ ప్లాట్ఫారం అంశంపై అధ్యాపకుల అవగాహన
సదస్సు నిర్వహించారు. ఐడీ అంటే ఇంటర్నెట్ ఆఫ్ థింగ్స్ అని
దీంతో ప్రస్తుతం ఉన్న ప్రతి ఎలక్ట్రికల్, ఎలక్ట్రానిక్స్ రంగాల్లోని ప్రతి
వస్తువు ఇంటర్నెట్ కు లింక్ అవుతూ కంట్రోల్ చేయబడతాయన్నారు.
కార్యక్రమంలో ఆంధ్రప్రదేశ్ ఇన్ఫర్మేషన్ టెక్నాలజీ అకాడమీ డైరెక్టర్
రాధాకృష్ణ, కళాశాల ప్రిన్సిపాల్ మహేష్, ఈఈఈ విభాగాధిపతి అశోక్
కుమార్, ఈసీఈ విభాగాధిపతి రామకృష్ణ, కార్యక్రమ సమన్వయకర్త
కృష్ణమోహన్, బోసుబాబు, కళాశాల అధ్యాపకులు పాల్గొన్నారు.

సాక్షి

4 అమరావతి | శనివారం |
జూలై | 15 | 2017

ముగిసిన అధ్యాపకుల సదస్సు



గుణదల (రామవరప్పాడు) : రెండు రోజులుగా
లయోలా ఇంజనీరింగ్ కళాశాలలో 'ఇండస్ట్రీ
యల్ ఐడీ ఆన్ ఎన్ఐ గ్రాఫికల్ సిస్టం డిజైన్
ప్లాట్ఫారం అనే అంశంపై జరుగుతున్న అధ్యా
పకుల సదస్సు శుక్రవారంతో ముగిసింది. సద
స్సుకు హాజరైన అధ్యాపకులకు పలు అంశ
లపై ప్రాక్టికల్స్ నిర్వహించారు. అధ్యాపకు
లకు ఐడీ (ఇంటర్నెట్ ఆఫ్ థింగ్స్) ప్రాము
ఖ్యత గురించి గెస్ట్ లెక్చర్ నిర్వహించారు. ఈ
కార్యక్రమానికి ముఖ్య అతిథిగా హాజరైన ఏపీ
ఇన్ఫర్మేషన్ టెక్నాలజీ డైరెక్టర్ రాధాకృష్ణ
మాట్లాడుతూ ఐడీ టెక్నాలజీను కొన్ని
పరిశ్రమల్లో యంత్రాలను నియంత్రించడానికి
ఉపయోగిస్తున్నారని తెలిపారు. అధ్యాపకులు
నూతన విషయాలను నేర్చుకుని విద్యార్థులను
ప్రభావితం చేయాలని సూచించారు. ఈ కార్య
క్రమంలో ఏపీఐసీ సీనియర్ కన్వలెంట్ విన్నీ
పాత్రో, ట్రిపుల్ఈ విభాగాధిపతి అశోక్ కుమార్,
ఈసీఈ విభాగాధిపతి రామకృష్ణ, కార్య
క్రమ సమన్వయకర్త కృష్ణమోహన్, వివిధ



FDP
13-15 July
2017



Students Gallery



Workshop

“INVITATION FOR ENTREPRENEURSHIP AND EMERGING TECHNOLOGIES”

(29th June 2017)

About the Workshop:

iB Hubs is a PAN India startup hub committed to developing a culture of innovation and entrepreneurship in every nook and corner of India. It provides end-to-end assistance to startups, giving equal importance to Purpose Driven Social Enterprises and NGOs as well as Profit Driven Enterprises. With a vision to establish 2,500 centers across the country, iB Hubs has already established 30 centers across seven states, including five nodal centers in Delhi, Mumbai, Bengaluru, Hyderabad and Lucknow.

Taking this vision forward, iB conducted a workshop in Andhra Loyola Institute of Engineering & Technology, Vijayawada on 29th June 2017, to channelize the youth potential and create awareness in Entrepreneurship and Advanced Technologies.

Agenda:

Creating awareness on Entrepreneurship and Emerging Technologies like Internet of Things, Cyber Security, Data Analytics, AR & VR.

Industrial Visit



- It is a part of the professional (mostly engineering / MBA / Diploma) courses, no institute providing these courses has got enough infrastructure to show case all the real working equipments, machinery, operational methodology and everything else, that students will come across once they enter into professional field, after the completion of their respective courses, so these industrial visits are an effort to bridge this gap of practical exposure.
- It also provides an insight on how companies work and also useful information related to the practical aspects of the course which cannot be visualized in lectures. With an aim to go beyond academics, these visits are arranged to develop the insights of the students attaining practical knowledge and their theoretical applications thereof.
- It is considered as one of the most tactical methods of teaching. The main reason behind this, it lets students to know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view.

INDUSTRIAL VISIT TO SOLAR POWER PLANT

(26th -29th July 2017)

It's long been known that renewable energy is the way of the future. As the supply of fossil fuels dwindles and faces increased scrutiny for pollution, climate change, and health issues, the cost continues to rise. Many local utilities have already begun to use alternative, renewable energy sources including wind, water, and solar power, but you don't have to wait for your utility company to get on board: solar power is ready and available to home owners today — and there's practically no end to the list of benefits.

Solar power makes it possible for home owners to use the sun to power everyday life: running your air conditioner, washing clothing, watching TV, cooking dinner. All while reducing your carbon footprint, and without burning fossil fuels or putting a strain on the electrical grid. And while the environmental benefits of solar power are significant, many home owners find that the convenience, unique features, and cost savings of owning a solar power system are even more enticing.

In addition to making Environmental Studies a very vital subject in our syllabus, ALIET College has gone a step further by putting that theory into practice. In Andhra Loyola Colleges, Solar Plant (of 100kW) was installed on the roof of the Library building by TATA Power Pvt Ltd, with a Government of India subsidy. We now have a few parts of our college that run entirely on solar energy.



As a part of industrial visits ALIET-EEE department organized a visit to ALIET100kW solar plant on 26th to 29th July 2017 for II, III & IV year EEE students with a vision to understand the power generation through solar power.

The students also looked forward to visit the installation site. However, their enthusiasm turned to excitement when they found out that the tour would not only include a walk-through of the site, but also got demonstrated of huge source of non-conventional power generation. Representative from EEE accompanied students and they were taken to the Solar Park, shown the solar photo voltaic panels and explained about the power generation through solar panels is helpful. The students during the visit learnt sustainability in various disciplines, including business, science, policy, and development. Students visited every section of solar power plant such as solar plates, inverters, and substation.

**ALIET - 100kW
SOLAR PLANT**



EEE TOPPERS

(2016-2017)

1. **D. Ijak** with Hall ticket number 16HP1A0238 secured first rank in I year II Semester Examination.



2. **M. Sridevi** with Hall ticket Number 16HP5A0204 secured first rank (with percentage 88.93%) in II year II semester Examination.



3. **S. Shiva Kumari** with Hall ticket Number 15HP5A0206 secured first rank (with percentage 81.07%) in III year II semester Examination.



SOLAR ALC LAB

AUGUST (21st – 24th) 2017

The EEE department organized a visit to the SOLAR ALC LAB on 21st to 24th AUG 2017 for II, III year EEE students with a vision to understand the basic concepts of power generation through solar panels and wind turbines. Students show the great enthusiasm to conduct the experiments on solar panels and wind turbines.



INDUSTRIAL VISIT TO 33KV/11KV SUBSTATION

AUG (23rd – 24th) 2017

The main bus 33KV is connected to grid. Now the transmission line first parallel connected with lightning arrester to diverge surge, followed by CVT connected parallel. CVT measures voltage and steps down at 110V. A.C. for control panel, at the location a wave trap is connected to carrier communication at higher frequencies. A current transformer is connected in series with line which measure current and step down current at ratio 800:1 for control panel.



INDUSTRIAL VISIT TO VTPS

(23 - Aug – 2017)

Dr. Narla Tata Rao Thermal Power Station, which is otherwise called as Vijayawada Thermal Power Plant (VTPS) is situated in the city of Vijayawada. This is a coal-based power projects functioning under the Andhra Pradesh Power Generation Corporation, established in 1958.

This power project was developed in four stages. The first three stages each has two 210 Mega Watts units, while the fourth stage has a unit of 500 mw. Here are the commissioning details of the different stages of the power station:

- Stage No.1: There are two units namely; unit 1 and unit 2 with a commissioning capacity of 210 MW each commissioned on 1st of November 1979 and 10th of October 1980 respectively.
- Stage No.2: There are two units namely; unit 3 and unit 4 with a commissioning capacity of 210 MW each commissioned on 5th of October 1989 and 23rd of August 1990 respectively.
- Stage No.3: There are two units namely; unit 5 and unit 6 with a commissioning same capacity as the previous units commissioned on 31st of March 1994 and 24th of February 1995 respectively.
- Stage No.4: There is a single unit called unit 7 and a commissioning capacity of 500 MW commissioned on 6th of April 2009.



A TWO DAYS WORKSHOP ON AUDINO

29th – 30th august 2017

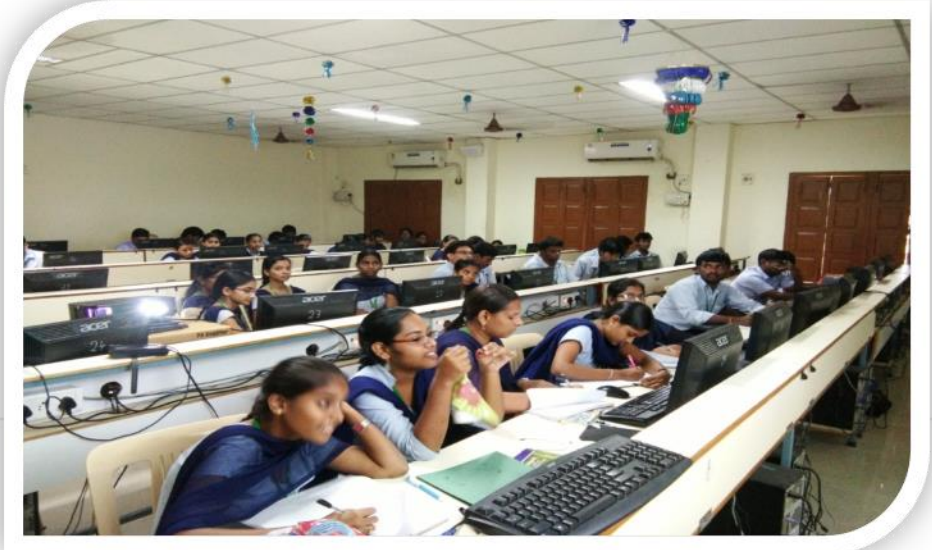
Arduino is an open source computer hardware and software company, project, and user community that designs and manufactures single-board micro controllers and micro controller kits for building digital devices and interactive objects that can sense and control objects in the physical world. Arduino microcontrollers are pre-programmed with a boot loader that simplifies uploading of programs to the on chip flash memory.

Highlights of the program are

- Applications & Scope of Embedded System in various industries
- Introduction to Open Source platform
- Arduino Board Description
- Getting started with the Arduino IDE to start writing your first program
- Designing new projects on Arduino
- Designing Automated System using IR Sensor and BO Motor.

Experienced Professional with expertise in Embedded Systems & Arduino from “Tech Trunk Ventures Pvt. Ltd” will be the resource person for the programme. The highlight of the Workshop is Hands on Training offers in the afternoon sessions.





ADVANCED POWER ELECTRONICS AND DRIVES

01st Sept 2017

EEE Department of the Institute conducted a Guest Lecture on “Advanced Power Electronics Converters and Drives” on 01-09-2017 in EEE seminar Hall for B.Tech III year students and faculty of the department. HOD of EEE, Y.C Ashok Kumar welcomed the students and resource person. This Lecture was delivered by Dr.Shankar Pedapati, currently working as Associate Professor in Sri Vishnu College for women’s.



SOLAR APPLICATIONS GUEST LECTURE

08th September 2017

The PV training program provides comprehensive and practical applications of photovoltaic system theory, operations, including installation and maintenance. The PV modules combined with a set of additional application-dependent system components (e.g. inverters, batteries, electrical components, and mounting systems), form a PV system. PV systems are highly modular, i.e. modules can be linked together to provide power ranging from a few watts to tens of megawatts (MW). This Lecture was delivered by Dr.N.Goutham Kumar, currently working as Assistant Professor in Sri VR Siddhartha engineering college.



MOU WITH TECHTRUNK VENTURES Pvt. Ltd



TechTrunk Ventures Pvt. Ltd.
A Spirit of Innovation
An ISO 9001:2008 Certified Training Company

www.techtrunk.in
contact@techtrunk.in
CIN NO: U72200TG2015PTC100095

MEMORANDUM OF UNDERSTANDING

BETWEEN

TechTrunk Ventures Pvt. Ltd.,
25-35/3/B, above ICICI Bank, 1st floor, Sekhar's Arcade
Opp: Beeramguda Kaman, RC Puram Hyderabad.

AND

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

Polytechnic post office
vijayawada-520 008

PREAMBLE

This MOU is entered into between Department of Electrical Engineering, ALIET Vijaywada (hereinafter called College) on one part and TechTrunk Ventures Pvt. Ltd., 25-35/3/B, Above ICICI Bank, 1st floor, Sekhar's Arcade, Opp: Beeramguda Kaman, RC Puram, Hyderabad (here after called Company) on the second part for the purpose of providing 'Training & Development to Graduate/ Post Graduate Students'.

Department of Electrical Engineering, ALIET Vijaywada is a well-established and reputed institution offering different UG/ PG degrees in various disciplines of Engineering, Technology. The college has set a benchmark in providing its students the best quality in terms of education, extracurricular activities and placements.

Whereas TechTrunk Ventures Pvt.Ltd is a company established with group of professionals in the relevant fields and is engaged in research and development which also provides support and facilitation for industrial oriented training to academic institutions.

SCOPE

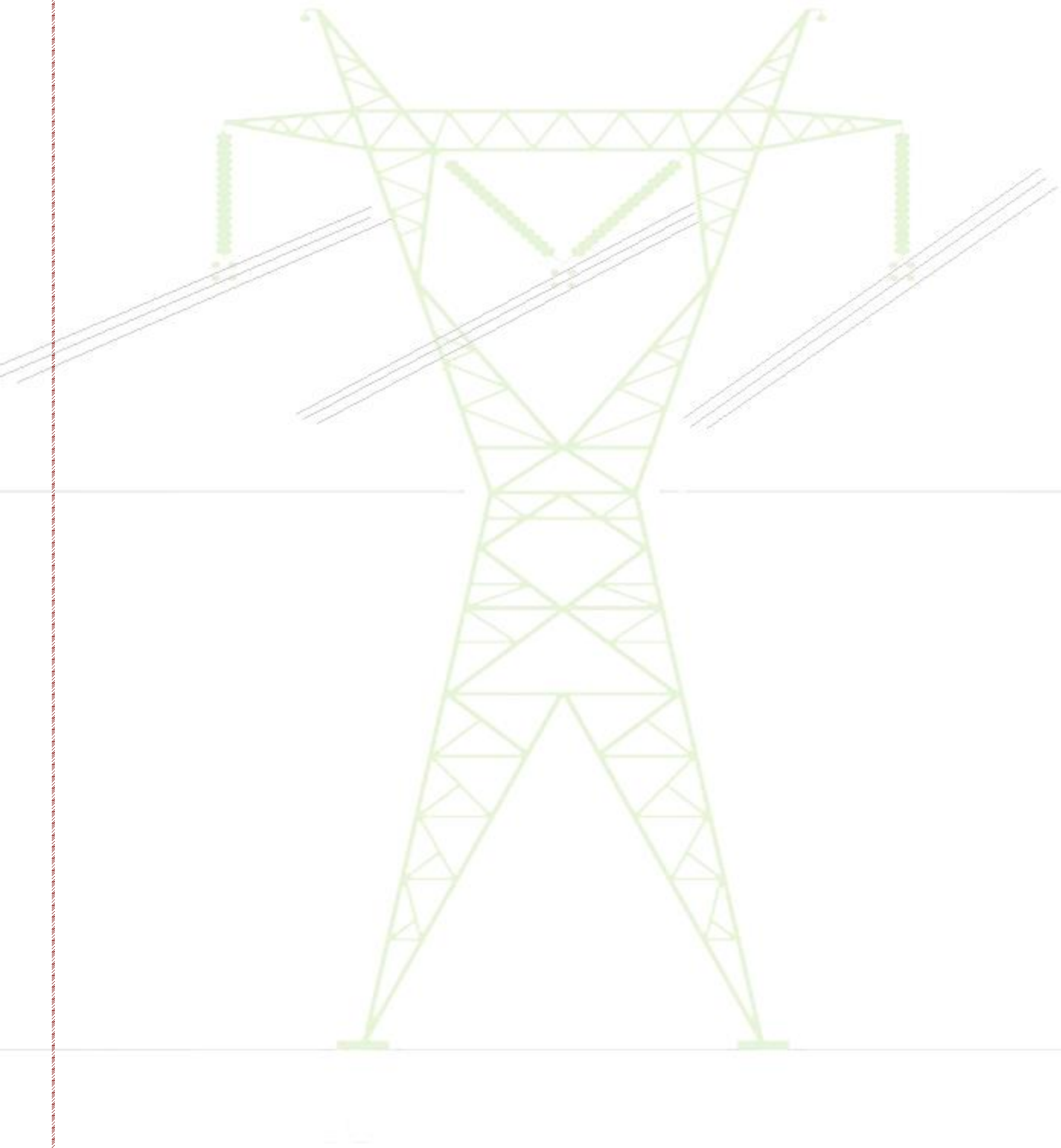
This MOU is entered in between Department of Electrical Engineering, ALIET Vijaywada and TechTrunk Ventures Pvt. Ltd. Hyderabad to provide a framework for a collaborative arrangement to provide the Big Industrial Training program 2017 – 2018 as per given proposal. The terms and conditions of the MOU are as under.

+91-9182275802
+91-7842670309



TechTrunk Ventures Pvt. Ltd.
A Spirit of Innovation
An ISO 9001:2008 Certified Training Company

www.tech
contact@t
CIN NO. U72200



QUIZ

As a part of engineer's day celebrations the department of EEE conducts the quiz and project expo events. The students were actively participated in the events and bag their prize money.



FACULTY ACHEIVEMENTS & PARTICIPATIONS

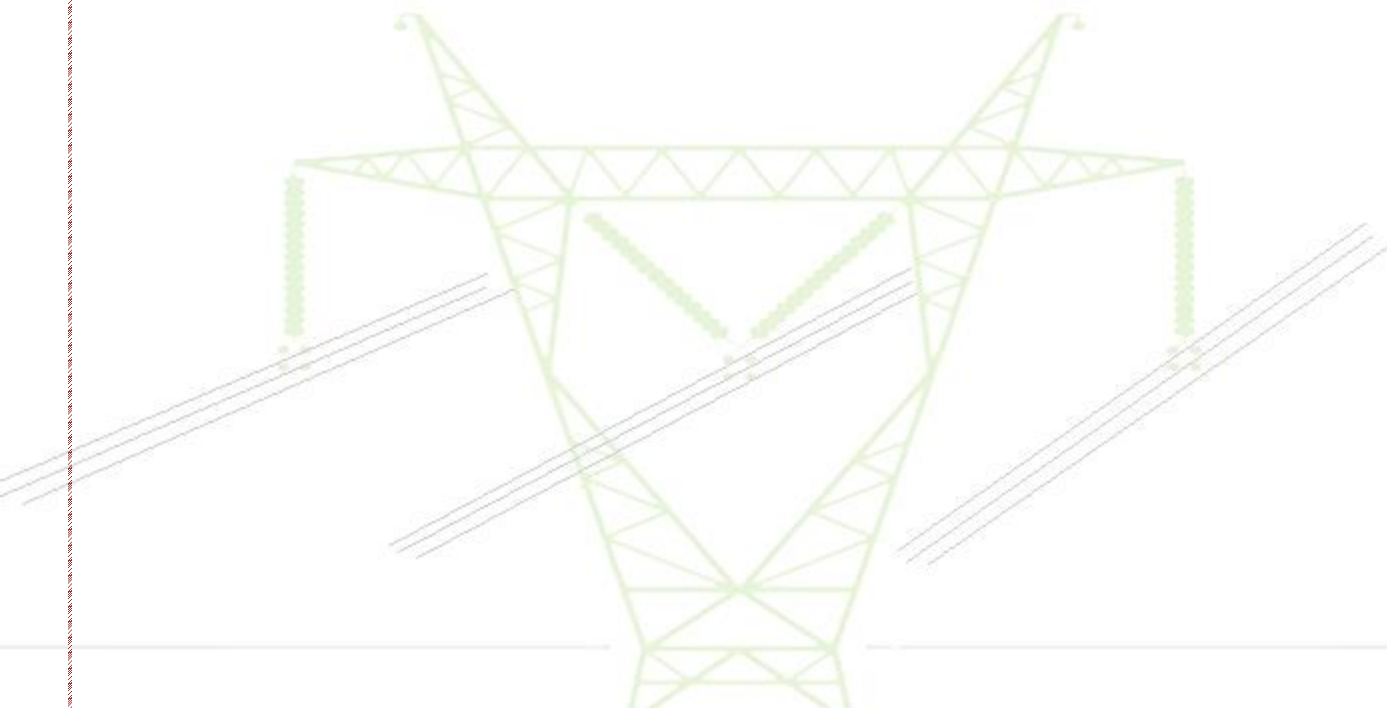
అయస్కేబ్లీ సతాబ్ధ ఉత్సవాలు (1917-2017)

అయస్కేబ్లీ సతాబ్ధ ఉత్సవాలు (1917-2017)

Lions clubs International :: District 316D :: 2017-18



316D



ISSN: 2455 - 3603 [ONLINE]
IMPACT FACTOR: 0.621 (2015), 1.105 (2016)

★ **CERTIFICATE** ★
Member of Editorial Board

*International Journal of Scientific Review and Research in Engineering and Technology
Approved*

Mr. Rajesh Babu Kanchana

*As Member of Editorial Board for the Upliftment and Promotion of
Excellence in the Field of Engineering and Technology.*

Received
un..

Editor in Chief

International Journal of Scientific Review and Research in Engineering and Technology
www.ijsrret.co.in

DELLSOFT™
TECHNOLOGIES
An ISO 9001:2008 Company

CERTIFICATE OF PARTICIPATION



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Rajesh Babu Kanckana

for attending 1 Day Faculty Development Programme / Workshop
on Power System Design & Analysis using DigSILENT PowerFactory Software
with DELLSOFT Technologies Pvt. Ltd.

29th September, 2017

DATE

Rajesh Jha, Director

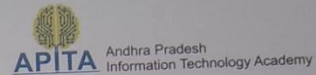
SIGNATURE



Devineni Venkata Ramana & Dr Hima Sekhar
MIC College of Technology

Accredited by NBA : CSE|ECE|EEE|ME & NAAC with "A" Grade





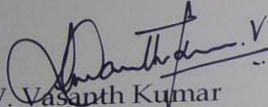
PARTICIPATION CERTIFICATE

Faculty Development Program

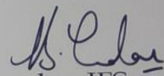
On

Industrial IoT using NI Graphical System Design Platform

This is to certify that RAJESH BABU KANCHANA, ASST. PROFESSOR of E.E.E. department, ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY has participated in two days Faculty Development Workshop conducted at Andhra Loyola Institute of Engineering and Technology, Vijayawada on 14th and 15th July, 2017 by Andhra Pradesh Information Technology Academy (APITA), Government of Andhra Pradesh in Collaboration with National Instruments, Bangalore.

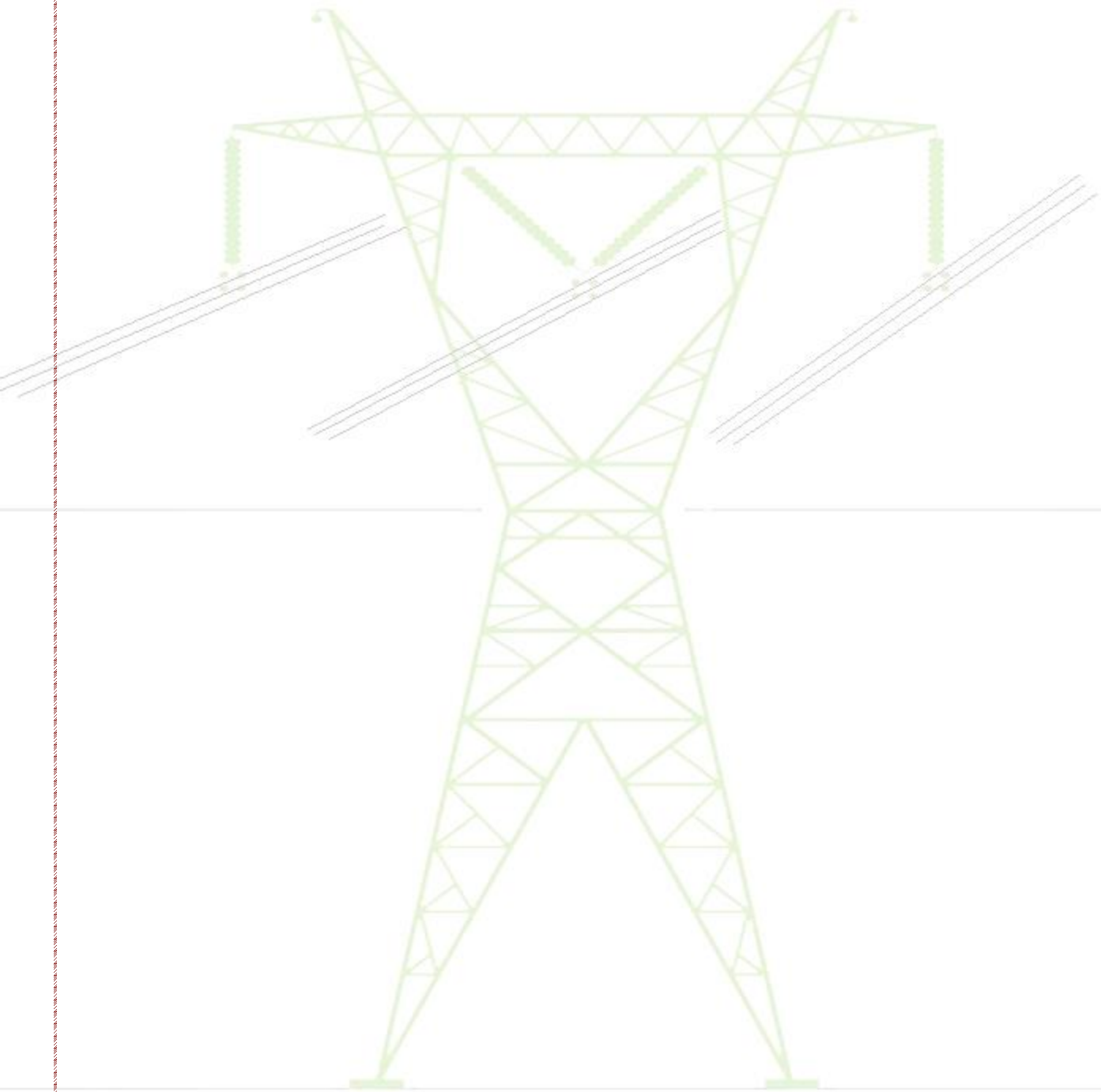

V. Vasanth Kumar
NI IIoT Resource Person
VI Solutions, Bangalore

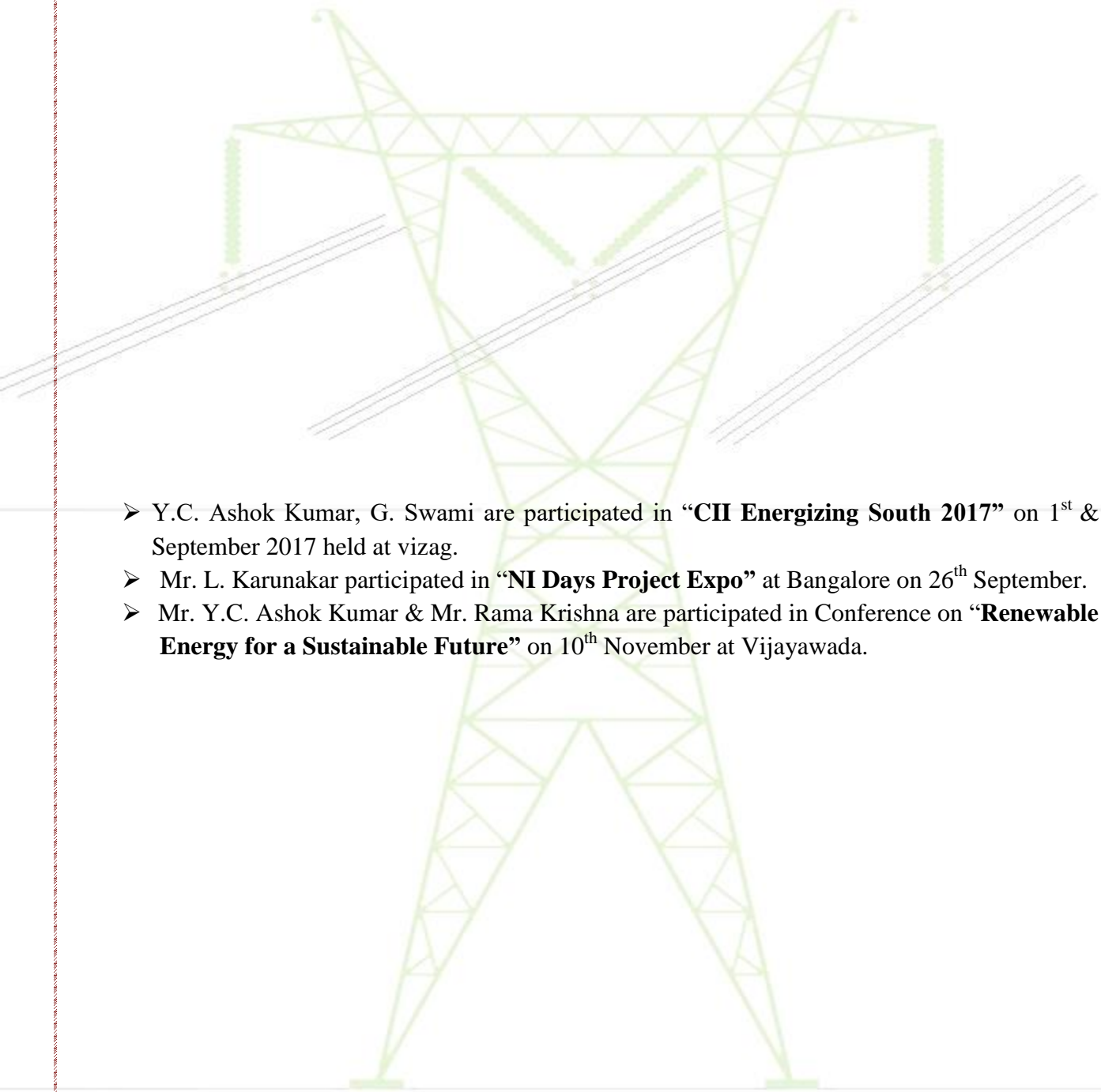



Dr. B. Sundar, IFS
Chief Executive Officer
APITA, Vijayawada



Date: 26th September 2017





- Y.C. Ashok Kumar, G. Swami are participated in **“CII Energizing South 2017”** on 1st & 2nd September 2017 held at vizag.
- Mr. L. Karunakar participated in **“NI Days Project Expo”** at Bangalore on 26th September.
- Mr. Y.C. Ashok Kumar & Mr. Rama Krishna are participated in Conference on **“Renewable Energy for a Sustainable Future”** on 10th November at Vijayawada.



Academic year 2017-2018
(EVEN SEM)

Regular class work has been started on 20th November 2017 for the 2nd & 3rd B. Tech students and for the 4th B. Tech students on 27th November 2017.

Teaching Faculty Members:

- **Mr. Y. C. Ashok Kumar, HOD**
- Dr. G. Naveen Kumar, Professor
- Mrs. V. Anantha Lakshmi, Assistant Professor
- Mr. G. Gantaiah Swamy, Assistant Professor
- Mr. L. Karunakar, Assistant Professor
- Mr. T. Krishna Mohan, Assistant Professor
- Mr. A. S. Sai Sunil, Assistant Professor
- Mr. K. Rajesh Babu, Assistant Professor
- Mr. G. Venkatesh, Assistant Professor
- Mr. M. Rama Krishna, Assistant Professor
- Mr. M. M. Karunakar, Assistant Professor
- Ms. P. Swathi, Assistant Professor

Non-Teaching Faculty:

- S. Shekar Babu
- S. Siva
- K. Venu Babu

NEW FACULTY INDUCTION

➤ Two new faculty were added in the department of EEE

1) **Mr. M.M.KARUNAKAR** Assistant professor



2) **Ms. P. SWATHI** Assistant professor



➤ Department of Electrical Engineering has took part in the celebrations of the birthday of our beloved Director **Rev. Fr. Dr. A. Francis Xavier S.J** on 13th of December 2017.





DEPARTMENTAL EVENTS

DEPARTMENTAL EVENTS

FACULTY ATTENDED WORKSHOPS

- Mr. S. CH. Sekhar Sai Sunil was participated in a two day national workshop on “**Research Tool for Advanced Modelling and Analysis of Electrical Utilities**” on 20th & 21st November 2017 at JNTUK- Vizianagaram



- Mr. Y. CHIRANJEEVI was participated in a one week short term training programme on “**Real Time Simulation & Applications In Power Electronics, Drives and Renewable Energy Systems**” on 18th to 23rd December, 2017 at NIT Kurukshetra



STUDENT'S WORKSHOP

1) Department of Electrical Engineering has organized a Technical Seminar on “**Amazon Web Services Technical Essentials Registration**”, delivered by Mr. G. Sri Kanth, Associate Cloud Systems Admin, APSSDC on 23rd November 2017. The students of 2nd & 3rd year were attended to this workshop.

2) Department of Electrical Engineering has organized a Guest lecture on “**Selection of Switch**



Gear for Electrical Equipment”, delivered by Mr. S. B. S. Abhinav, working as site engineer at pic technologies, on 31st November 2017. The students of 3rd & 4th year were attended to this workshop.

He delivered some of the concepts regarding usage of switch gears and applications of switch gears for the present scenario.



- 3) The Department of electrical and electronics engineering has conducted a Three day National Workshop on 4th , 5th & 6th December 2017, on “**Embedded Systems Fundamentals for Basic Microcontrollers 8051 & Arduino**” In collaboration with APSSDC.

The objective of this workshop is to provide an opportunity for students to get aware of ARDUINO hereby developing a stepping stone towards the development of an Embedded System. The laboratory sessions included working with various peripherals including LED Based Projects, Motor Projects, sensor based projects. The last session was initiated with a competition among the participants team whereby they used their entire three day gained knowledge to do an assigned task in stipulated time where the team completing the given task with minimum time was declared as winner.



EXTENSION PROGRAMS

1. The students of Department electrical and electronics engineering have conducted awareness programme session on 8-12-2017 on Extension Programme on **ELECTRICAL HAZARDS & SAFETY** in the institute of St. Josepha's Industrial Training Centre, Gunadala.

On The day of the program the student's team went to the **St. Joseph's I.T.I College** one of the student member Mr. K. Sai Sampath initiated the program which was carried on by Ms.N.Tejaswi about electric shock where she told about how electric shock occurs? and general mistakes done by people and followed by Mr.N.N.S Harsha where he gave the awareness and safety precaution to be followed by people in case of injury And the injuries topic was held Ms.Dorothi Gracy and Mr.Y.Sai Bhargav .



2. The second day of the program the student's team went to the **Nirmala High School** one of the student member Mr. K. Sai Sampath initiated the program which was carried on by Ms.N.Tejaswi about electric shock where she told about how electric shock occurs and general mistakes done by people and followed by Mr.N.N.S Harsha where he gave the awareness and safety precaution to be followed by people in case of injury . And the injuries topic was held Ms. Dorothi Gracy and Mr.Y.Sai Bhargav



3. The Third day of the program the student's team went to the **Nalanda I.T.I College** one of the student member Mr. K. Sai Sampath initiated the program which was carried on by Ms.N.Tejaswi about electric shock where she told about how electric shock occurs? and general mistakes done by people and followed by Mr.N.N.S Harsha where he gave the awareness and safety precaution to be followed by people in case of injury . And the injuries topic was held Ms. Dorothi Gracy and Mr.Y.Sai Bhargav



4. The Fourth day of the program the student's team went to the **N.St.Mathew's High School** one of the student member Mr. K. Sai Sampath initiated the program which was carried on by Ms.N.Tejaswi about electric shock where she told about how electric shock occurs and general mistakes done by people and followed by Mr.N.N.S Harsha where he gave the awareness and safety precaution to be followed by people in case of injury . And the injuries topic was held Ms.Dorothi Gracy and Mr.Y.Sai Bhargav



ACADEMIC TOPPERS

III B. Tech I Semester Regular Examinations, October – 2017

1. **D. KALPANA** with Hall ticket number 16HP5A0201 secured first rank



2. **L. PRAMEELA RANI** with Hall ticket number 15HP1A0211 secured second rank



3. **N. TEJASWI** with Hall ticket number 15HP1A0216 secured third rank



IV B. Tech I Semester Regular Examinations, October – 2017

1. **S. SIVA KUMARI** with Hall ticket number 15HP5A0206 secured first rank



2. **M. ANJI REDDY** with Hall ticket number 14HP1A0213 secured second rank



3. **K. JHANSI** with Hall ticket number 15HP5A0202 secured third rank



MICHAEL FARADAY RESEARCH CENTRE

The Department of Electrical & Electronics Engineering inaugurated Michael Faraday Research Centre on 27th Feb 2018.



The Program began with a prayer song, followed by lighting the lamp.



The main motto of the research centre is to build research careers, internationalization of human potential, support to strengthen the knowledge foundation and promote the creation of new applications, as well as research and innovation.

Student's workshop & Guest lecture

1. The Department of Electrical & Electronics Engineering organized a Guest Lecture on “**Power Quality Issues and Mitigation through Custom Power Devices**” on 25st January 2018. The guest lecture was delivered by Mr. Dr. I. Satish Kumar, Professor; Gudlavalleru College of engineering the students of 4th year attended the workshop.



2. Michael Faraday Research Centre, an initiation of the Department of Electrical & Electronics Engineering, organized a two day workshop on **APPLICATIONS OF MATLAB IN ELECTRICAL ENGINEERING** on 27th & 28th Feb 2018. The event was inaugurated at 9.00 A.M. around 50 students from various colleges participated in this workshop.



The Programme divided into 4 sessions (2 sessions per day)

Session 1:

It was led by Mr. T. Krishna Mohan, Asst. Prof of ALIET. He delivered a lecture on the following topics.

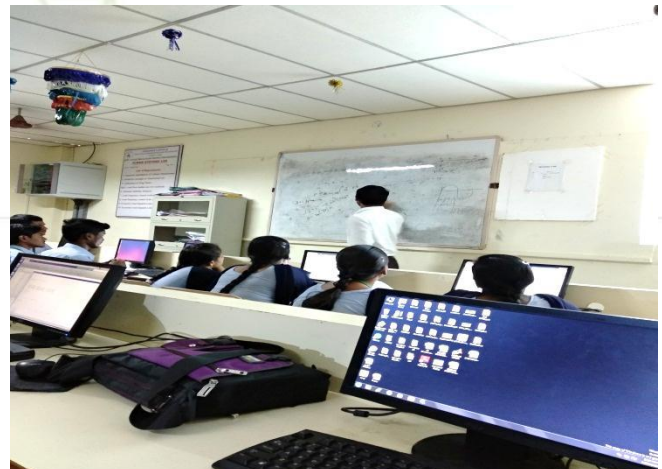
- Introduction to Matlab
- Simulink tool boxes
- Power Electronics Drives



Session 2:

It was led by Mr. M. Rama Krishna, Asst. Prof., ALIET. He enlightened the students on the following topics.

- R,L,C elements
- Construction of electrical circuits by using RLC
- Problems on dependent and independent sources
- Basic Example in Single Phase and Three Phase circuits



Session 3:

Mr. K. Rajesh Babu, Asst. Prof. ALIET, highlighted the following areas.

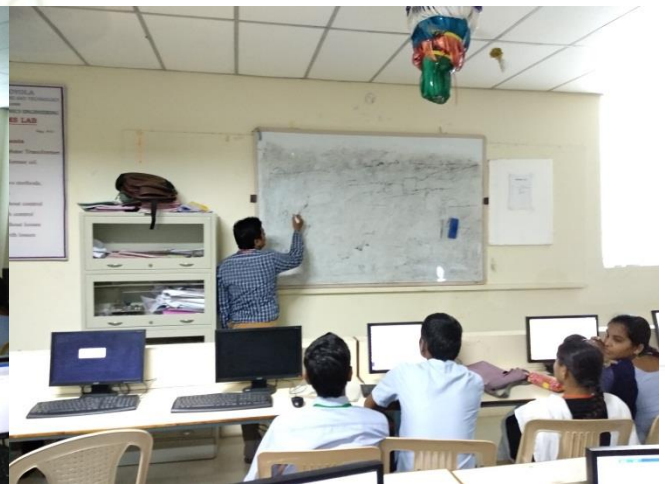
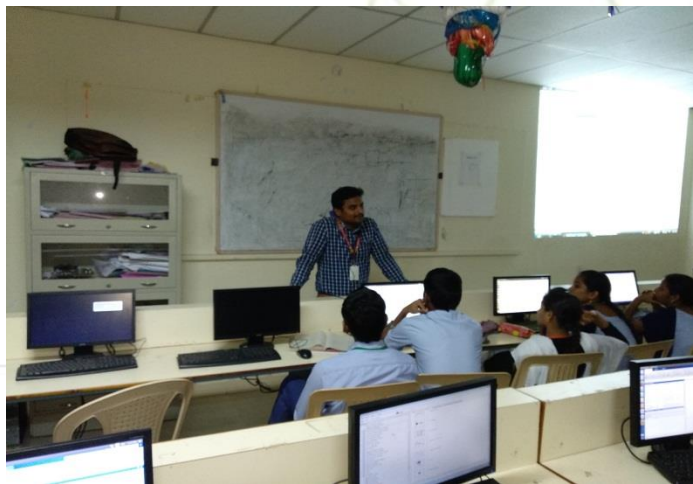
- Introduction to Electrical Machines
- Modelling of DC & AC Machines
- Examples



Session 4:

During session 4 the following topics were covered by Mr. L. Karunakar, Asst. Prof, ALIET

- Single Machine System
- Fault Current Calculation
- Examples



This workshop will also provide hands on experience with MATLAB software starting from basics to the end of designing a circuit”.

- Mr. M. Rama Krishna Asst. Prof participated in a one day Workshop on **World Skills Day Competitions** on 30th Jan 2018 at VR Siddhartha College, Kanuru, Vijayawada.



REPORT OF ALUMNI MEET-2018

The first alumni Meet, ReUnir-2018, was inaugurated by Department of electrical & electronics engineering on 27th Jan 2018. Director **Rev. Fr. Dr. A. Francis Xavier S.J**, graced the occasion with his presence. The alumni were invited to attend the Alumni Meet through Invitation letters/invitation cards/emails.

You're Invited



Dept. of EEE's first Alumni Meet

It gives us an immense pleasure in inviting you to the first Reunion of EEE Students of ALIET.



**Department of Electrical & Electronics Engineering
Andhra Loyola Institute of Engineering & Technology**

The meet started traditionally with the lighting of lamp and was followed by the prayer song.



The occasion was graced by more than 40 students, teaching and non-teaching staff and 2nd year students. In response, few of the alumni shared their experience as well as interesting moments of campus life to the audience.



As a part of entertainment program, funny games were organised for the audience and prizes were distributed.



ఉత్సాహంగా పూర్వ విద్యార్థుల ఆత్మీయ సమావేశం



పూర్వ విద్యార్థులతో కైరెక్టర్ ఫ్రాన్సిస్ జేవియర్ తదితరులు

కరెన్సిఫగర్, న్యూస్ టుడే: ఆంధ్ర లాల్సాల ఇంజనీరింగ్ కళాశాల ఈతత విభాగం ఆధ్వర్యంలో పూర్వ విద్యార్థుల సమ్మేళనం శనివారం జరిగింది. గత ఐదేళ్లు ఉత్తీర్ణులైన విద్యార్థులంతా కళాశాలలో కలసి ఉత్సాహంగా గడిపారు. తమ ఆనుభవాలను విద్యార్థులతో కలసి పంచుకున్నారు. కళాశాల కైరెక్టర్ ఫాచర్ ఫ్రాన్సిస్ జేవియర్, ప్రెస్సిఫల్ ఁ.మహేష్, ఈతత విభాగం తదితరులు పాల్గొన్నారు.

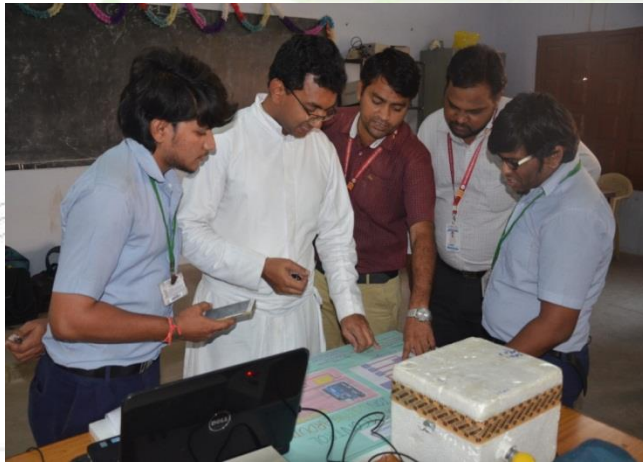
లబ్జీపీఠ(విజయవాడ సిటి), న్యూస్ టుడే : వింజిల్ ధ్యలోని డీపీ మానర్ హోటల్లో శనివారం గుడ్లవల్లేరులోని శ్రీ తుర్పుగంటి రామవేంద్రరావు మొమోరియల్ హైస్కూల్ (ఎన్ కాలేజిం)లో 1959-66 మధ్యకాలంలో చదివిన పూర్వ విద్యార్థుల ఆత్మీయ సమావేశం నిర్వహించారు. అప్పటి జ్ఞాపకాలు, మఢు రానుభూతులను గుర్తుచేసేటట్లు స్వాయి.విద్యాయి ధ్యలు నేర్పిన గురువులను పట్టిరించారు. ఆము చదివిన పాఠశాల, గ్రామం ప్రస్తుత స్థితిని తెలియ చేశ. శి.ఁ.న.

స్వీట్స్ మ్యాజిక్
విజయవాడలో స్పెషల్ షోర్ట్స్

Natural Chukoo

PROJECT EXPO-2K18

Michael Faraday Research Centre, a brain child of the Department of Electrical & Electronics Engineering organized an exhibition of engineering projects on 12th & 13th March 2018. The projects were designed and developed by the students of final year. The students of 2nd and 3rd year interacted with final year students regarding their projects.



The event was found to be very informative for the 2nd & 3rd year students.

INDUSTRIAL VISITS

1. Department of Electrical Engineering has organized an industrial visit to **KCP SUGARS & POWER INDUSTRIES Pvt. Ltd, Vuyyuru** for 3rd Year B.Tech. Electrical students (53) along with 3 faculty members visited the **Industry** on 7th Feb 2018.

The main purpose of this visit is to make the students understand the generation of power from **BIOMASS** (by-product of sugar extraction from cane stalks). All the students were actively participated and gained knowledge about power generation



సాంకేతిక విద్యార్థుల పారిశ్రామిక సందర్శన

భారతీనగర్ (కరెన్సిన్గర్) షూన్టుడే: ఆంధ్ర లయాల ఇంజనీరింగ్ కళాశాల తృతీయ సంవత్సరం ఎలక్ట్రికల్ అండ్ ఎలక్ట్రానిక్స్ విభాగం విద్యార్థులు క్షేత్ర సందర్శనలో భాగంగా ఉయ్యూరు కేపీ పుగర్స్ ఇండ్స్ట్రీస్ కార్పొరేషన్ పైవేట్ లిమిటెడ్ను బుధవారం పరిశీలించారు. చెరకు నుంచి పంచ దార తయారు చేసే విధానంతో పాటు చెరకు పిప్పి నుంచి ఎలక్ట్రికల్ ఎనర్జీని ఉత్పత్తి చేసే విధానాన్ని అక్కడి అధికారులు విద్యార్థులకు వివరించారు.

2. Department of Electrical Engineering has organized an industrial visit to Dr. Narla Tata Rao Thermal Power Station (NTTPS) for 2nd Year B. Tech Electrical students. Totally 70 students along with 4 faculty members visited the **plant** on 21st Feb 2018. The main motto of this visit is to make the students understand the generation of Electricity from **coal**.

The visit was very fruitful as they observed each of energy conversion stages used in power plant starting from fuel section to switch yard. All the students were actively participated and many of their doubts were cleared by the discussion with experts of the plant.



ధర్మల్ పవర్ ప్లాంట్ ను సందర్శించిన విద్యార్థులు

అటోనగర్: ఆంధ్రలయోలా కళాశాల ఎలక్ట్రికల్, ఎలక్ట్రానిక్స్ ద్వితీయ సంవత్సరం విద్యార్థులు బుధవారం కొండపల్లిలోని ధర్మల్ పవర్ ప్లాంట్ ను సందర్శించారు. పవర్ ప్లాంట్ అధికారులు విద్యార్థులకు ప్లాంట్ విషయాలను వివరించారని ఇంజనీరింగ్ కళాశాల అధ్యాపకుడు వై.సి.అశోక్ కుమార్ తెలిపారు. మొత్తం 70 మంది విద్యార్థులు పాల్గొన్నారు. కార్యక్రమంలో అధ్యాపకులు పాల్గొన్నారు.

సాక్షి Thu, 22 February 2018
epaper.sakshi.com//c/26472541

ఇంజనీరింగ్ విద్యార్థుల క్షేత్ర పర్యటన

భారతీనగర్ (కరెన్సింగర్), న్యూన్టుడే: లయోల ఇంజనీరింగ్ కళాశాల ఎలక్ట్రికల్ అండ్ ఎలక్ట్రానిక్స్ విభాగం ద్వితీయ సంవత్సరం విద్యార్థులు పారిశ్రామిక సందర్శనలో భాగంగా కొండపల్లి ధర్మల్ విద్యుత్ కేంద్రాన్ని బుధవారం సందర్శించారు. బొగ్గు నుంచి విద్యుత్ తయారీ చేసే విధానం, ఉపయోగాలను అక్కడి అధికారులకు అడిగి విద్యార్థులు తెలుసుకున్నారు.

- Department of Electrical Engineering has organized an industrial visit to **POWER GRID CORPORATION OF INDIA LIMITED, NUNNA** for 4th Year B. Tech Electrical students. Totally 59 students along with 2 faculty members visited the Industry on 19th Feb 2018. The authorities of the grid were allotted two Professionals who were expertise in the area of grid control and management, the professionals had explained about all the components and their working.

Some of the components they had seen in the power grid are current transformer, SF6 circuit breakers, Inductive reactors in different ranges, Lightning arrestors, control panels etc. the visit was really helpful for the students to know about different electrical equipment's which are used in power grid for transmission and protection.



QUIZ

The department of Electrical and Electronics Engineering conducted Technical Quiz competition for 1st, 2nd, 3rd and 4th year students on 17th Feb 2018. The quiz was organized by the faculty in-charge Mr. K. RAJESH BABU and Mr. M. KARUNAKAR.

A total of 150 students registered for the Quiz competition and finally 20 students are shortlisted by conducting written test. The shortlisted students divided into 5 teams (each consisting of four students) one for each year and the team with the highest score was declared as winner of the contest.

S. No	Position	Name	Roll Number
1	1 st	G. Anvesh Kumar	15HP5A0208
		K. Sampath	15HP1A0238
		Ch. Sai Teja	16HP1A0247
		K. Yashwanth	17HP1A0255
2	2 nd	B. Manohar	15HP5A0211
		V. Karthik	15HP1A0227
		K. Swapnika	16HP1A0219
		K. Prathima	17HP1A0212



3rd National Conference on Emerging Trends in Electrical Technology – 2018

In commemoration of Michael Faraday research centre the Department of Electrical and Electronics Engineering organised its 3rd National Conference titled **Emerging Trends in Electrical Technology – 2018** on 17th March 2018. The conference was well attended by faculty members and students from reputed technical and educational institutions. All the participants were provided conference kits which include the file, writing pad, conference proceedings, pen along with a lunch coupons.

The conference was inaugurated by the Chief Guest for the inaugural function K. Karthikeyan Deputy General Manager-Electrical Designs L&T construction.



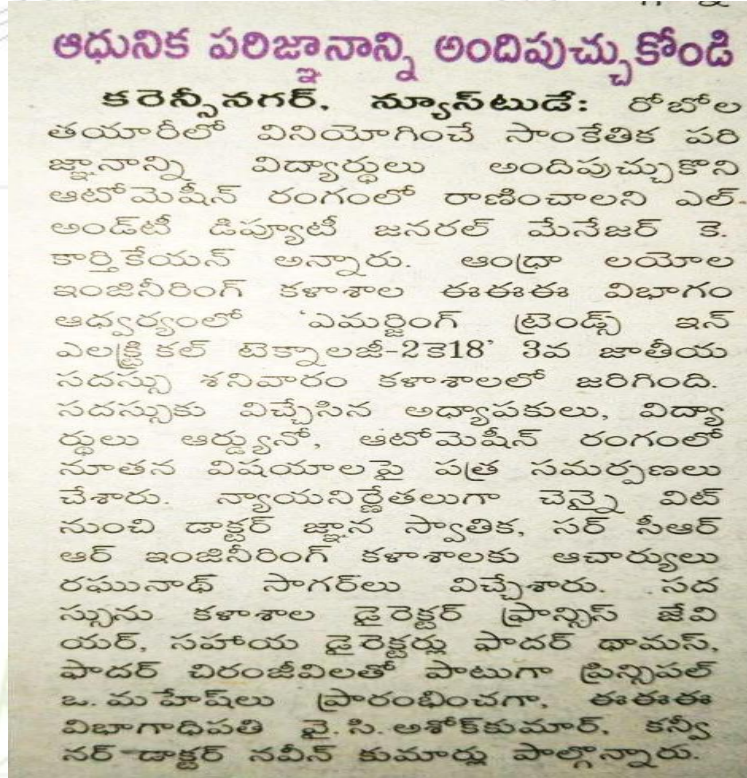
The conference was attended by more than 80 participants and total of 24 technical papers on various topics Related to recent innovative trends in engineering Technology were presented by the authors and all accepted papers were published in IJMTST (powered by I2OR), (ISSN:2455-3778).

List of papers

S.no	Paper Title
1	Fully Automatic Solar Grass Cutter Using Arduino. P. Abhinav Deep, Ch. Akash Babu And M. Siva Kumar
2	SVPWM Based Open Loop And Closed Loop V/F Control Of Induction Motor K.Rajesh Babu, G.Anvesh Kumar, M.Naresh And B.Praveen Kumar
3	Outline Of Energy Framework Stabilizer Utilizing Anfis M. Vinod Kumar, B.M.V.Gowtham, N.Venkat Reddy And M.Ramakrishna
4	Stability Enhancement Of Wind Power System With UPFC And Energy Storage System B.Manohar, M.Hari Prasad And K.Mahesh
5	Under Ground Cable Fault Detection By Using Arduino V.Pranay Chowdary, Ch.T.V.N.Manikanta, G.Anil Kumar And L.Karunakar
6	DFIG Wind Turbines With Super Capacitor Energy Storage For Constant Power Control L.Naresh, K.Avinash, P.Satya Sravan And M.M.Karunakar
7	Power Transformerprotection Using Fuzzy Logic Based Differential Relay K.Shiney, N.Manaswini, V.Lakshmi Keerthi, K.Nalini Prasanna and A.Sai Sunil
8	Low Frequency Oscillations Damping In SMIB System Using Fuzzy Based SSSC Controller S.Ramarao, K.Parasuram, M.Venkata Vinay, G.Anjibabu And T.Krishna Mohan
9	Three Phase Boost Converter For Solar Battery Charging System By Using MPPT Technique Y.C.Ashok Kumar, A,Naga Phaneendra Kumar, P.Malli Krishna Reddy And R.Anjaneyulu
10	Development Of DC-DC Buck Converter Using Arduino A Sekhar Sai Sunil, R Naga Surya Teja, M Anjaneyareddy And P V N D Sumanth
11	Arduino Based Sophisticated Home Automation System For Electrical Appliances Using GSM K Ganesh, M Ravi Chandra, P Raj Kamal, Y Leela Venkatesh And K Rajesh Babu
12	Grid Interconnection Of Distributed Generation System With Power-Quality Improvement By Using STATCOM Greeshma.Lanke, Revathi.Maddirala And Brahma Teja.Saketi
13	Distributed Power Flow Controller Based Stabilizer To Damp Power System Oscillations S.Siva Kumari, M.Shekinah And G.Sirisha
14	Control Of Hybrid Micro Grid In Grid Tied Mode Using Z-Source Converter P.Jhansi, S.Jayasree, B.Ramya, J.Lakshmi Triveni And P.Swathi Mastan
15	Line Follower Based Smart Car K.L.N.Satish, T.Tejasai, S.K.Sai Krishna, G,Naveen Kumar, L.Karunakar
16	GSM Based Load Monitoring With Programmable Meter For Energy Audit. T.Krishna Mohan, K.Saivarun Teja, B.Anil Kumar, K.Naveen Kumar And G.Praveen
17	Visual Accelerometer J Dheeraj Nagarjuna And K Sai Teja
18	Hybrid Viterbi's-Johnson's Algorithm For Protecting Multiple Utility Grids Interfaced Microgrid Seebani Mahapatra
19	Tool Insert Vibration Measurement A.Kaushika, Y.Nirmal And K.Venkatesh
20	Automatic Parking Counter And Parking Slot Status Detection System Vikram, Jay Baswani And Graceson Jeriel Frederick
21	A Comparative Analysis Of DC-DC Converter For Renewable Energy System P. Venugopal Reddy, V. Venkata Narayana, N. Srikanth, SD. Ameer Sohail And G. Venkatesh

22	Arduino Based Obstacle Avoiding Robot Controlled By Bluetooth Y. Chiranjeevi Ashok Kumar1 K.Pavan Kumar2 K.P.M.Y.V. Dathu3 M.Revanth Babu4
23	Smart Blind Stick Using Internet Of Things (IOT) P Mani Sai Kumar, V V B Narendra, Shahnaaz Begum, V Sree Mohan Sai
24	GSM Based Rewritable Digital Notice Board M.Rama Krishna,N.Ravishankar,P.Venkata Brahmam,I.Vijay Sekhar

Presentation of Certificates for those students who have successfully presented their papers in the conference was done by K. Karthikeyan, Deputy General Manager-Electrical Designs L&T construction, the Chief Guest, Mr. Raghunath Sagar, Associate Professor, C.R Reddy Engineering College, Eluru, , and Dr. O. G. V. Gnana Swathika Associate Professor, VIT University, the Guests of Honour in the valedictory session. The Chairpersons of this event congratulated Mr. L. Karunakar & Mr. A. Ch. S. S Sunil, Assistant Professor(s) of EEE department and the co-ordinators of the event. The event was formally closed with the Vote of thanks. It was proposed by Mr. Y. C. Ashok Kumar, the Head of the Department, EEE.



FACULTY PUBLICATIONS

- Mr. Krishna Mohan Tatikonda , Mr. Mekala Rama Krishna has presented a paper titled **MODELLING OF PHOTO VOLTAIC MODULE UNDER PARTIAL SHADED CONDITIONS USING MPPT** in 12th international conference on recent innovations in science engineering and management 2018 held on 17th Feb 2018 at sri venkateswara college of engineering & technology srikakulam and published in International Journal of Advance Research in Science and Engineering (IJARSE).(PAGE: 194-204) ISSN:2319-8354,Volume-07 Issue-02, Feb 2018.



- Mr. Mr. K. Rajesh Babu , Mr. G. Venkatesh has presented a paper titled **IMPROVING THE PERFORMANCE OF SOLAR PV SYSTEM WITH SEPIC** in 12th international conference on recent innovations in science engineering and management 2018 held on 17th Feb 2018 at sri venkateswara college of engineering & technology srikakulam and published in International Journal of Advance Research in Science and Engineering (IJARSE).(PAGE: 194-204) ISSN:2319-8354,Volume-07 Issue-02, Feb 2018.



Placement Report for the A.Y 2017 – 18


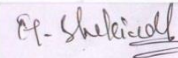

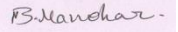

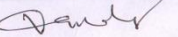
The department collaborated with the Placement and Counselling Cell. The recruitments organized by the Placement and Training Cell during the academic year 2017-18

S.no	Name	Roll number	Organization	Position	Package	photo
1	Manohar B	15HP5A0211	INFOSYS	TRAINEE	3.25LPA	 B.Manohar
2	K Parasuram	14HP1A0227	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 k. para Surag
3	Mutyam Hari Prasad	14HP1A0219	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 H.P.
4	B Manohar	15HP5A0211	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 B.Manohar
5	T Teja Sai	15HP5A0218	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 T. T. Sai
6	Jayasree	14HP1A0202	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 S. Jayasree
7	Naresh	14HP1A0225	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 k. Naresh
8	Pranay Chowdary	14HP1A0228	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 Chowdary

9	Vinod Kumar	14HP1A0241	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 Vinod Kumar
10	Phani Kumar	15HP5A0212	Go Speedy Go	Graduate Engineer Trainee	4.12LPA	 A.N.P. kumar
11	S Brahmateja	14HP1A0201	SKYONN			 S. Brahmateja
12	V Lakshmi Keerthi	14HP1A0203	SKYONN			 V.L. Keerthi
13	J Lakshmi Triveni	14HP1A0204	SKYONN			 J. L. Triveni
14	K Shiney	14HP1A0207	SKYONN			 K. Shiney
15	G Sirisha	14HP1A0208	SKYONN			 G. Sirisha
16	K Ganesh	14HP1A0218	SKYONN			 K. Ganesh
17	M Ravi Chandra	14HP1A0232	SKYONN			 M.Ravi Chandra

18	K Sai Varun Teja	14HP1A0233	SKYONN			 <i>K. Sai Varun Teja</i>
19	N Manaswini	15HP5A0203	SKYONN			 N. Manaswini
20	B Ramya	15HP5A0204	SKYONN			 B. Ramya
21	M Naresh	15HP5A0214	SKYONN			 M. Naresh
22	P Sravan Kumar	15HP5A0217	SKYONN			 P. S. satya Kumar
23	Manaswini N	15HP5A0203	ARTECH-HP	TRAINEE	2.2 LPA	 N. Manaswini
24	Brahma Teja	14HP1A0201	Neos Chip	TRAINEE		 S. Brahmajee
25	Manohar B	15HP5A0211	Neos Chip	TRAINEE		 B. Manohar
26	K Shiney	14HP1A0207	PROVISOR IT	TECH SUPPORT	2.5LPA	 K. Shiney

27	K Parasuram	14HP1A0227	CATTAIN IT LAB PVT LTD	DEVELOPER	3.5LPA	 k. parasuram
28	B M V Gowtham	14HP1A0223	CATTAIN IT LAB PVT LTD	DEVELOPER	3.5LPA	 B.M.V. Gowtham
29	Ch V N Manikanta	14HP1A0236	CATTAIN IT LAB PVT LTD	DEVELOPER	3.5LPA	 Ch.V.N. Manikanta
30	M Vinod Kumar	14HP1A0241	CATTAIN IT LAB PVT LTD	DEVELOPER	3.5LPA	 M Vinod Kumar
31	L Naresh	14HP1A0225	TECH MAHENDRA	TECH SUPPORT	2.16LPA	 L. Naresh
32	M Hari Prasad	14HP1A0219	TECH MAHENDRA	TECH SUPPORT	2.16LPA	 M Hari Prasad
33	Saivarun Teja	14HP1A0233	VEE TECHNOLOGIES	AR/PROCESSOR TRAINEE	1.8 LPA	 Saivarun Teja
34	M Hari Prasad	14HP1A0219	VEE TECHNOLOGIES	AR/PROCESSOR TRAINEE	1.8 LPA	 M Hari Prasad

35	M.Shekinah	14HP1A0206	VEE TECHNOLOGIES	AR/PROCESSOR TRAINEE	1.8 LPA	 
36	B Manohar	15HP5A0211	MRV INFOTECH PVT LTD	TRAINEE ENGINEER	1.44 LPA	 
37	P Venu Gopal Reddy	14HP1A0240	MRV INFOTECH PVT LTD	TRAINEE ENGINEER	1.44 LPA	 

ACADEMIC TOPPERS

II B. Tech I Semester Regular Examinations, November – 2017

1. **B. NAGA VENKATA DURGA DAKSHAYANI** with Hall ticket number 16HP1A0217 secured first rank



2. **K.NEHEMYA** with Hall ticket number 16HP1A0241 secured second rank



3. **K. NAVYA** with Hall ticket number 17HP5A0203 secured third rank



I B. Tech I Semester Regular Examinations, November – 2017

1. K. PRIYANKA with Hall ticket number 17HP1A0214 secured first rank



2. R. PRASANNA with Hall ticket number 17HP1A0215 secured Second rank



3. CH. PAUL BAKHT SINGH with Hall ticket number 17HP1A035 secured Third rank



SPORTS

K. Sai Sampath of 3rd year EEE has been the part of ALIET basketball team. Department congratulate the entire team for winning JNTUK 'C' zone basketball championship, the team also secured runner-up position in JNTUK central zone tournament



STUDENT ACHIEVEMENTS

S. No	Name	Year	ACHIEVEMENT	DATE
1	N. Tejaswi S. Vasavi	III EEE-B III EEE-B	Secured 1 st position at PPT and POSTER Computation in PSCMR College of engineering	10 th January 2018
2	N. Tejaswi S. Vasavi	III EEE-B III EEE-B	Secured 3 rd position at PPT Computation in P.V.P. Siddhartha Institute Of Technology, Kanuru.	9 th Feb 2018



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY**
Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by: SKPVV Hindu High Schools Committee, Estd: 1906
Kothapet, Vijayawada - 520001

JIGNASA - 2018
A NATIONAL LEVEL TECHNICAL SYMPOSIUM

CERTIFICATE OF MERIT

This is to certify that

Mr./Ms. N. TEJASWI
of ALIET has won I Prize
in the event POSTER PRESENTATION held on 10-JAN-18


J.A.V. Ravindra Babu
CONVENER
HOD - FED


Dr.K. Nageswara Rao
Principal - PSCMRCT

Organized by : Department of Freshmen Engineering



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY**
Approved by AICTE, NEW DELHI and Affiliated to JNTU, Kakinada
Sponsored by: SKPVV Hindu High Schools Committee, Estd: 1906
Kothapet, Vijayawada - 520001

JIGNASA - 2018
A NATIONAL LEVEL TECHNICAL SYMPOSIUM

CERTIFICATE OF MERIT


This is to certify that

Mr./Ms. S.L. VASAVI
of ANDHRA LAYOLA INSTITUTE OF ENGG & TECH. has won II Prize
in the event PAPER PRESENTATION held on 10-JAN-18


J.A.V. Ravindra Babu
CONVENER
HOD - FED


Dr.K. Nageswara Rao
Principal - PSCMRCT


Organized by : Department of Freshmen Engineering





**PRASAD V.POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
(AUTONOMOUS), VIJAYAWADA**
(Sponsored by: Siddhartha Academy of General and Technical Education)
Site for Innovative Technocrats & Artists to Rejoice
Techno-Cultural Festival
9th February 2018



Certificate of Merit

This is to certify that Mr/Ms N. TEJASWI
of ALIET has secured 3rd Prize
in paper presentation at SITAR-2K18, the Techno-Cultural Festival
Organized by our college on 09-02-2018


Coordinator


Coordinator


Principal

ACKNOWLEDGEMENT

We express our gratitude to Rev. Fr. Dr. A. Francis Xavier SJ, Director, Dr. O. Mahesh, Principal, Rev. Fr. Chiranjeevi SJ, and Rev. Fr. Anil SJ, Asst. Directors, for their encouragement in our endeavours. Our special thanks to **Mr. Y. C. Ashok Kumar, HoD**, for his constant guidance throughout this academic journey. We would like to thank all the faculty members and students of Electrical Engineering Department of ALIET, Vijayawada, for their support and co-operation in bringing out **ELECTROZ**. Special thanks to Mrs. G. Vijaya Swapna Assistant Professor, Dept. of English, for her valuable suggestions in the making of this edition.

CHIEF EDITOR:

Mr. Y. C. Ashok Kumar

Associate Professor & Head of the department

EDITOR:

1. Mr. K. Rajesh Babu Assistant Professor, Dept. of EEE
2. Mr. M. Rama Krishna Assistant Professor, Dept. of EEE

STUDENT COMMITTEE:

III -EEE-B

1. N TEJASWI, 15HP1A0216
2. T NAGARJUNA REDDY, 15HP1A0244

III-EEE-A

1. R NAVYA PRAGNA,Reg.No: 15HP1A0209
2. T NAGARJUNA REDDY, Reg No: 15HP1A0244

II-EEE

1. P SWAPNIKA, 16HP1A0219
2. CH SAITEJA, 16HP1A0247

IV-EEE-A

1. K SHINEY,14HP1A0206
2. HARIPRASAD REDDY,14HP1A0219

IV-EEE-B

1. M SHAKINAH,14HP1A0206
2. VENU GOPAL REDDY, 14HP1A0240